5.4.7 RATIO EFFECT WITH AUXILIARY ITEMS LISTING

The "Ratio Effect With Auxiliary Items" listing option allows you to see the effect of a single case on the ratio of two items, at an aggregate level. The listing is nearly identical to the "Ratio Effect" listing. If differs in that it allows you to specify an additional (auxiliary) item ratio, so that you have 2 item ratios displayed on the same line, as opposed to one. The auxiliary ratios do not influence the "effect" calculation.

Accessing the Screen

! Click on the TOOLS button from the StEPS Main Menu.

! Click on the QUERIES button from the TOOLS Menu.

! Select the "Listings Request" option.

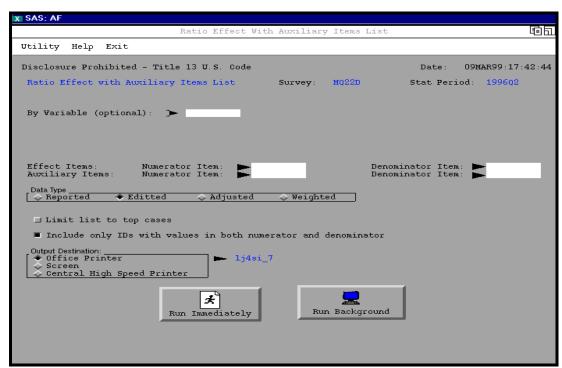! Choose the "Ratio Effect with Auxiliary Items" option to display the following:

Figure 5.4.7a   Ratio Effect With Auxiliary Items Listing Request Screen

5.4.7.1   LISTING PARAMETER OPTIONS

General parameter options available on more than one listing request screen are defined in section 5.4.1. Please refer to the appropriate section for instructions on how to define the general listing parameters required for this screen.

! Select a BY variable   (See section 5.4.1.4)
! Define a ratio   (See section 5.4.1.5)

> Note: An ID's "effect" will be calculated using the numerator and denominator items specified as the "Effect Items".
>
> The "Auxiliary Items" are additional numerator and denominator items that you may enter in order to calculate an <u>additional</u> ratio. The "effect" of an ID will NOT be shown for the item ratios calculated using "auxiliary" items.

! Select a data type   (See section 5.4.1.3)
! Limit list to the top cases   (See section 5.4.1.7)
! Include only IDs with values
   in both the numerator and denominator (See section 5.4.1.6)
! Select an output destination   (See section 5.4.1.8)
! Generate the listing   (See section 5.4.1.9)
! Save the generated code   (See section 5.4.1.10)

5.4.7.2   LISTING OUTPUT

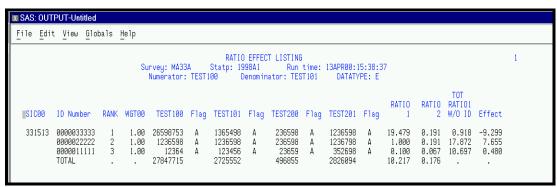The output for the "Ratio Effect with Auxiliary Items" listing appears as follows:

Figure 5.4.7b   Ratio Effect with Auxiliary Items Listing Output

Information displayed includes the following:

! Listing "header" information, including the disclosure statement, page number, listing title, survey, stat period, and the date/time that the listing was generated.

! The numerator and denominator items specified as the "Effect Items" on the parameter screen.

! The data version (type) specified on the parameter screen (i.e., R - reported; E - edited; A - adjusted; W - weighted).

! For each ID (within each BY grouping) having a ratio for the numerator and denominator specified, there is a separate row of information, including the following:

Column Heading	Description
<BY variable>	Value of the BY variable (if specified in the listing parameter screen); BY variables are control variables from the Master or Stat Period Control file that are used to sort (or group) your listing output.
ID	ID number of the respondent.
RANK	The "rank" assigned to each case is designated by the descending absolute value of the calculated effect. (This is the value displayed in Column 16, "Effect"); a rank of '1' is assigned to the case with the largest effect, '2' to the next case, etc.
WGT00	Weight of the case for the current statistical period.
ID <numerator "effect" item>	Value of the numerator "effect" item for the ID; this value will reflect the "type" of data (i.e., reported, edited, adjusted, or weighted) specified in the parameter screen.
Flag (data flag for numerator "effect" item)	Data flag for the numerator "effect" item. (See section 4.2 for a complete list of data flags and associated descriptions.)
ID <denominator "effect" item>	Value of the denominator "effect" item for the ID; this value will reflect the "type" of data (reported, edited, adjusted, or weighted) specified in the parameter screen.

Column Heading	Description
Flag (data flag for denominator "effect" item)	Data flag for the <u>denominator</u> "effect" item. (See section 4.2 for a complete list of data flags and associated descriptions.)
ID <numerator "auxiliary" item>	Value of the <u>numerator</u> "auxiliary" item for the ID; this value will reflect the "type" of data (i.e., reported, edited, adjusted, or weighted) specified in the parameter screen.
Flag (data flag for numerator "auxiliary" item)	Data flag for the <u>numerator</u> "auxiliary" item. (See section 4.2 for a complete list of data flags and associated descriptions.)
ID <denominator "auxiliary" item>	Value of the <u>denominator</u> "auxiliary" item for the ID; this value will reflect the "type" of data (reported, edited, adjusted, or weighted) specified in the parameter screen.
Flag (data flag for denominator "auxiliary" item)	Data flag for the <u>denominator</u> "auxiliary" item. (See section 4.2 for a complete list of data flags and associated descriptions.)
ID RATIO 1	Ratio of the numerator "effect" item over the denominator "effect" item for a specific ID.
ID RATIO 2	Ratio of the numerator "auxiliary" item over the denominator "auxiliary" item for a specific ID.
RATIO w/o ID	The ratio of the SUM of the "effect" numerator items divided by the SUM of the "effect" denominator items for the group of cases, EXCLUDING the case for which the "effect" is being calculated.
EFFECT	The effect on the <u>total</u> item ratio after subtracting out an individual IDs numerator and denominator values. This is calculated as the TOTAL "effect" item ratio minus the RATIO w/o ID. NOTE: An ID's "effect" is calculated using the ratio of the items specified in the parameter screen as the "Effect Items". The ratio resulting from the items specified as "Auxiliary Items" are NOT used in the "effect" calculation.

P-Menus

P-Menu	Options	Function
UTILITY	Save Generated Code as Canned Query	Saves the listing program (with the parameters you have specified) as a canned query, so that you can access and run it at a later date. (See Section 5.4.1.10).
HELP	Listing Request Help (F1) WhoamI (F7)	Displays Help information on using the Listing Request screen. Displays user default and systems information.
EXIT	Exit (F3)	Exits to the previous screen.